

SCOPE OF WORK

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I. General

This project consists of the design and construction of a new air-conditioning system for the [REDACTED] Facility located in [REDACTED]. Building layout and existing equipment descriptions are attached.

II. Requirements

1. A new air-cooled self-contained factory-assembled multi-zone air-conditioning unit with humidifier shall be used to service the entire building. It shall be located on the roof or on a concrete pad alongside the building. Separate thermostatically controlled zones from the unit shall be connected to each of the existing duct runs and to the new ductwork which will serve the presently non-conditioned rooms. In lieu of a single multi-zone unit, several separate units may be used if this is determined to be a more practical approach.

2. 100 percent back-up air-conditioning is required for rooms 11 and 12A. The designer shall consider using the existing air-conditioning units if any are suitable for this purpose.

3. Criteria to be considered in the design are set forth in the attachments to this scope of work.

4. All drawings and specifications for use on this project shall be prepared in accordance with applicable Navy Design, Mechanical and Electrical Handbooks, Standard Details, Design Data and Design Criteria.

5. It is felt that an on-site inspection will be required prior to the design of this project. Arrangements for this should be made through the [REDACTED]

6. If a roof-mounted air-conditioning unit is specified, a structural analysis of the building shall be made to assure adequate support

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of both the unit and any maintenance personnel who may be required to service the unit. The decision of where to mount the unit shall be coordinated with the [REDACTED] Mounting the unit on a concrete pad adjacent to the building should be considered to facilitate maintenance.

7. If none of the existing equipment rooms are found suitable for the new equipment to be installed, the addition of a new equipment room will be acceptable. STATINTL

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8. Upon completion of the project, a complete and accurate set of "As Built" drawings are to be submitted to the [REDACTED]

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9. Design drawings are to be submitted to the [REDACTED] for approval prior to ' [REDACTED] contract advertisement. STATINTL

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10. A suitable preventive maintenance program shall be developed for all equipment, and shall be submitted to the [REDACTED] group in the area of the site for implementation. In this regard, design drawings shall include schematic electrical and piping drawings and a suitable explanation of equipment sequence of operation. All equipment shall be specified to include installation, operating and maintenance instructions, and recommended spare parts lists. Operation and maintenance instructions for each piece of equipment, as well as for the overall system, shall be bound in book form and submitted to the [REDACTED] for the permanent records of the site.

11. All equipment used shall be of U.S. manufacture.

12. The design shall conform to all security requirements peculiar to the site. These should be ascertained during the on-site inspection mentioned above.

13. The design shall stipulate in the project specifications a performance test to demonstrate the capacity and proper operation of the system. Copies of the test data ~~XXXX~~ shall be furnished to the



14. 120/208 v, 3 phase, 60 hz. power is available at the site. The design for this project shall include all necessary electrical work for the new equipment. An analysis shall be made to assure the adequacy of available power.

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